

Title (en)

A microscope for ophthalmologic surgery

Title (de)

Mikroskop für ophthalmologische Chirurgie

Title (fr)

Microscope pour chirurgie ophthalmologique

Publication

EP 2556792 A1 20130213 (EN)

Application

EP 12005689 A 20120802

Priority

JP 2011175977 A 20110811

Abstract (en)

The microscope for ophthalmologic surgery 1 can perform astigmatism measurement for a patient's eye E by using a projection-image forming part 13 attached to a microscope 6. The projection-image forming part 13 is provided with multiple bright points (LEDs 131-i) for astigmatism measurement that are arranged in a ring, and a fixation target 131c arranged inside the ring-shaped arrangement. Based on a photographed image of the patient's eye E in a state in which the LEDs 131-i and the fixation target 131c are projected thereto, a displacement calculating part 92 detects the fixation state of the patient's eye E relative to the fixation target 131c. A controller 60 controls the LEDs 131-i and the fixation target 131c based on the detection result of the fixation state.

IPC 8 full level

A61B 3/00 (2006.01); **A61B 3/036** (2006.01); **A61B 3/103** (2006.01); **A61B 3/13** (2006.01); **A61B 3/14** (2006.01); **A61F 9/007** (2006.01)

CPC (source: EP US)

A61B 3/1035 (2013.01 - EP US); **A61B 3/14** (2013.01 - EP US); **A61B 90/20** (2016.02 - EP US)

Citation (applicant)

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- JP S6414878 A 19890119 - FUJI ELECTROCHEMICAL CO LTD
- JP H01242029 A 19890927 - CANON KK
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- JP H01242029 A 19890927 - CANON KK

Citation (search report)

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- [Y] US 2009168021 A1 20090702 - TAKAHASHI YOSHITSUGU [JP], et al
- [A] WO 2011030509 A1 20110317 - TOPCON CORP [JP], et al
- [A] WO 2011092785 A1 20110804 - TOPCON CORP [JP], et al
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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2556792 A1 20130213; JP 2013039148 A 20130228; US 2013038835 A1 20130214

DOCDB simple family (application)

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